

ANNUAL OPERATIONS AND PROGRESS REPORT

From Month/Year July 1, 1977
to Month/Year Dec. 31, 1984

(To be submitted for each mining operation at the end of each calendar year to the Division at this address:)

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING
355 West North Temple
3 Triad Center, Suite 350
Salt Lake City, Utah 84180-1203
(801) 538-5340

OPERATOR: Ideal Basic Industries, Inc. MINE NAME: Devil's Slide

ADDRESS: Auxiliary Rte. #3
Morgan, UT 84050

PERMIT NUMBER AND DATE OF PERMIT: ACT/029/001 (Intent to Commence Mining Sub-
mitted June, 1977, Permit Pending)

REPRESENTATIVE: L. B. Giles, Plant Manager

SECTION(S): 24, 19 TOWNSHIP(S): 4N RANGE(S): 3E, 4E

MINERAL(S) MINED: Limestone

STATE AND/OR FEDERAL MINERAL LEASE NUMBERS: n.a.

SPECIAL USE PERMITS AND/OR RIGHTS-OF-WAY: n.a.

Section 40-8-15 and Rule M-8 of the Utah Mined Land Reclamation Act, requires each operator to include with this report an up-dated map and plan prepared in accordance with Rule M-3, as outlined in the requirements for annual report maps in Appendix I, providing a detailed status of all mining and reclamation activities which have occurred during the past year.

The report should include:

MINING:

(a) Tabulation of acreage disturbed (by pits, roads, facilities, etc.) during the report period with illustration on a current map.

<u>Disturbance</u>	<u>Acreage</u>
Pit	$25.9 + 2.0 = 27.9$ Ac. total
Roads	<u>no change</u>
Facilities	<u>no change</u>
Waste Dumps	<u>9.3 Ac.</u>
Other	<u>---</u>

(b) Tabulation of acreage affected to date (by years).

<u>Date by Year</u>	<u>Acreage (Total)</u>	
1975	_____	
1976	_____	
1977	<u>264</u>	Original Notice
1978	<u>270</u>	Requested Amendment (1978)
1979	_____	
1980	_____	
1981	_____	
1982	_____	
1983	_____	
1984	<u>396</u>	Requested Amendment (1985)

(c) Tabulation of all topsoil (new) stockpile volumes (see chart below) and date of stockpiling.

SOIL TABULATION CHART

		<u>Area</u>			
Area Affected (in mining sequence) (If more space is needed, please attach.)		<u>1</u>	<u>2</u>	<u>3</u>	<u>etc.</u>
Acreage of Area	Total Disturbed	<u>148.5 Ac.</u>			
Depth of Topsoil Removal (inches)		<u>No removable topsoil</u>			
Depth of Topsoil Replacement (inches)*		<u>0</u>			
Estimate of Topsoil Volume Salvaged (yd ³ or ac ft)		<u>0</u>			
Volume Actually Salvaged (yd ³ or ac ft)		<u>0</u>			
Volume Required for Reclamation (yd ³ or ac ft)		<u>0</u>			
Surplus or Deficit Volume (yd ³ or ac ft)		<u>0</u>			
Storage Status (short- or long-term)		<u>n.a.</u>			

Soil Tabulation Chart (continued)

Area Affected (in mining sequence)	Area			
	1	2	3	etc.
Storage Location			n.a.	
Area Where Soil Has Been Used (if not stored)			n.a.	
Running Total (all stockpiles) (yd ³ or ac ft)			n.a.	
Short-term			0	
Long-term			0	

*Of previously stripped area recently reclaimed.

(d) Tabulation of all (newly removed) out-of-pit spoil volumes, date of placement and illustration on a map.

Area	Date	Acreage
Quarry #3	1977-1984	12±

(e) Tabulation of quantity of commodity mined.

	Commodity	Tonnage
(Mined)	Limestone	3,752,441 (1978 thru 1984)
(Milled)	"	"
	Silica	58,811 tons mined &

(f) Description of any new construction during the report period with illustration on a map, including, but not limited to: milled (1978 thru 1984)

- Buildings and support facilities.

None.

- Roads.

Minor temporary road building was done in Quarry #3, but future mining will destroy these roads.

3. Diversion ditches, collector ditches, interceptor ditches, etc.
None

4. Culverts.
None

5. Sediment ponds, containment ponds.
None

6. Monitoring sites (vegetative, air quality, surface subsidence, surface water or ground water, etc.).
None

7. Topsoil stockpiles.
None

(g) Description of any environmental problem areas with a proposed plan for mitigation and illustration on a map, including, but not limited to:

1. Pit stability problems.
n.a.

2. Subsidence.
n.a.

3. Accidental water discharge, dam failure, etc.
n.a.

4. Slumping, sliding or erosion.
n.a.

5. Revegetation problem areas.
Since virtually no topsoil exists, any revegetation will be slow and spotty.

6. Existence and location of unsuitable (toxic) overburden.
n.a.

RECLAMATION: (See Attachment)

(a) Tabulation of the acreage reclaimed during the report period with illustration on a map, distinguishing between:

1. Backfilled, graded and contoured areas.

Area

Acreage

None

2. Topsoiled areas.

Area

Acreage

None

3. Seeded areas.

<u>Area</u>	<u>Acreage</u>
None	

4. Reseeded areas (areas previously seeded, then seeded again).

<u>Area</u>	<u>Acreage</u>
None	

(b) Tabulation of total acreage reclaimed (seeded with permanent seed mix) to date by years with illustration on an updated map:

<u>Year</u>	<u>Acreage</u>
1975	
1976	
1977	
1978	None
1979	
1980	
1981	
1982	
1983	
1984	

(c) Description of the reclamation procedures used during the report period, including:

1. Average depth of topsoil applied.

n.a.

2. Type of seed (species) used for seeding during the report period.

n.a. -- All disturbed areas are still considered active.

3. Date of seeding during the report period.

Spring n.a.

Fall

4. Seeding procedures used.

(Hand broadcast or drilled or any other).

n.a.

5. Rate of seed application.

Pounds Per Acre of Pure Live Seed (PLS) (if varied, please explain)

n.a.

6. Type and rate of fertilizer applied.

n.a.

7. Type and rate of mulch applied.

n.a.

8. Rate of irrigation water applied, if any. Please describe any type of sprinkling, or water applied (water truck, etc.).

n.a.

9. Revegetation test plot information.

(Cover, density, productivity, etc.)

n.a.

10. Soil analysis results.

n.a.

(d) Description of results of previous revegetation efforts, including:
(This should be done as applicable.)

1. Types (species) of seed that have germinated and are growing.

n.a.

2. Types (species) of seed that are not growing successfully.

n.a.

3. Areas experiencing problems with weeds and weed types.

n.a.

4. Significant erosional problems.

n.a.

5. Areas of unsuitable overburden on the surface as related to
revegetation failure.

n.a.

6. Procedures used or proposed to correct these problems.

n.a.

7. Acreage and dates of release (upon inspection by the State) of revegetated areas.

<u>Area</u>	<u>Date</u>	<u>Acreage</u>
n.a.		

8. Results of soil analysis.

n.a.

(e) Summarization of the reclamation costs incurred during the report period, including itemized costs for each operation (i.e., grading, topsoil replacement, seeding, etc.) and for each type of disturbance (i.e., spoil, haul roads, facilities removal, etc.) on a per acre basis.

	<u>Acres</u>	<u>Cost/Acre</u>
1. Grading	n.a.	
2. Backfilling		
3. Contouring		
4. Topsoil Replacement		
5. Seeding		
A. Seedbed Preparation		
B. Mulch		
C. Fertilizer		
D. Seed		
6. Other		

BOND INFORMATION:

- A. An updated bond estimate should be included, if required in the Division's approval of the Mining and Reclamation Plan (MRP) or if changes to the MRP have occurred, including a detailed itemization of actual/estimated reclamation costs as outlined in the RECLAMATION section above. The date of the release of revegetated areas from further responsibility for a partial bond release, if applicable, should also be included.

	<u>Amount</u>	<u>Type</u>	<u>Date Posted</u>
Present Bond	n.a.		